

## INFORMATION DISCLOSURE STATEMENT

EXAMINER  ART UNIT  Applicant submits herewith a copy of (a) attached form PTC-1449, which lists all patents, publications, applications, or other informatic submitted for consideration by the Office; (b) a legible copy of each document required by 37 C.F.R. §1.39(b)(2).  Applicant herein apprises the Patent Office of references clied in a parent U.S. application from which this application obtains the benefit of an earlier lifting date under 35 U.S.C. §120. The Serial Number of the patent application is U.S. Application fled and entitled on an attached sheet.  I accordance with 37 C.F.R. §1.98(a)(3). Applicant hereby certifies that for each reference not in English (check at least one box below a copy of a translation of one or more non-English document, or portion thereof, is provided herewith.  A copy of a translation of one or more non-English document, or portion thereof, is provided herewith.  A copy of a translation of one or more non-English document, or portion thereof, is provided herewith.  A copy of a translation of the section of the section of the decidence of the subject application, and/or Q*provided herewith.  A copy of a translation of the copy of the section of the decidence of the subject application, and/or Q*provided herewith.  A copy of a translation Decideure Statement is being filed within three months of the filing date of the subject application, no fee or certification under 37 C.F.R. §1.97(b), (b)(2) – WITHIN 3 MONTHS OF FIRST OFFICE ACTION OFFIRST ACTION AFTER REQUEST FOR CONTINUED EXAMPLE of the decidence of the decidence of the subject application on the ments, or before the mailing date of the first Office Action on the ments, or before the mailing date of the first Office Action on the ments, or before the mailing date of the first Office Action on the ments, o		DOCKET NUMBER <u>HIR-0005</u> SERIAL NUMBE INVENTOR: <u>Y. Onda</u> TITLE <u>SOCCE</u>							
submitted for consideration by the Officer (b) a legible copy of each document required by 37 C.F.R. §1.98(d)(2).    Applicant herein apprises the Patent Office of references cled in a parent U.S. application from which this application obtains the benefit of an earlier filing date under 35 U.S.C. §120. The Serial Number of the parent application is U.S. Application of the parent patent application are not required. □ Additional parent patent applications are listed on an attached sheet.    In accordance with 37 C.F.R. §1.98(a)(3), Applicant hereby certifies that for each reference not in English (check at least one box below). □ A concise explanation is (check at least one box below). □ A concise explanation is (check at least one box below). □ Provided in the accompanying foreign or ritemational search report; □ incorporated into the specification, and/or □ provided herewith of the class of the parent is being flied within thee months of the filing date of the subject application or within three months of the filing date of the subject application or within three months of the filing date of the subject application or within three months of the filing date of the subject application or within three months of the filing date of the subject application under 37 C.F.R. §1.97(b) is required.    37 C.F.R. §1.97(b) is required.   19 C.F.R. §1.97(b) is require		EXAMINER			ART UNI	r			
filing date under 35 U.S.C. § 120. The Serial Number of the parent application is U.S. Application Interpublications clied therein are listed on attached Form PTO-1449. In accordance with 37 C.F.R. § 1.98(d) copies of the listed publication are not required.   Additional parent plant applications are listed on an attached sheet.  In accordance with 37 C.F.R. § 1.98(a)(3), Applicant hereby certifies that for each reference not in English (check at least one box below)   A copy of a translation of one or more non-English document, or portion thereof, is provided herewith;   A concise explanation is (check at least one box below):   Drovided in the accompanying foreign or international search report; Unicorporated into the specification; and/or \(\tilde{Q}\) revoked the rewith   A consise explanation is (check at least one box below):   Drovided in the accompanying foreign or international search report; Unicorporated into the specification; and/or \(\tilde{Q}\) revoked herewith   A C.F.R. § 1.97(b)(1), (b)(2) - WITHIN 3 MONTHS OF FILING OR ENTRY IN NATIONAL STAGE   A V Since this Information Disclosure Statement is being filled within three months of the filling date of the subject application or within three month of the date of entry of the national stage as set forth in 37 C.F.R. § 1.97(b)(3), (b)(4) - PRIOR TO MAILING OF FIRST OFFICE ACTION OR FIRST ACTION AFTER REQUEST FOR CONTINUED EXAMINATION   Since this Information Disclosure Statement is being filled before the mailing date of the first Office action on the merits, or before the mailing of a first Office action after the filling of a request for continued examination under 37 C.F.R. § 1.917(e) is required.  37 C.F.R. § 1.917(e) - AFTER FIRST ACTION, BEFORE FINAL ACTION OR ALLOWANCE   Since this Information Disclosure Statement is being filled outside of the period provided for in 37 C.F.R. § 1.97(b), but before the mailing date of the service of the period provided for in 37 C.F.R. § 1.917(b), but before the mailing date of the service of the period pro	1. 🔽	Applicant submits herewith a copy of (a) attached form PTO-1449, which lis submitted for consideration by the Office; (b) a legible copy of each documen	sts all pa t required	tents, publication by 37 C.F.R. §	ons, applications, 1.98(b)(2).	or other information			
A copy of a translation of one or more non-English document, or portion thereof, is provided herewith;  A concise explanation is (check at least one box below):    provided in the accompanying foreign or international search report; □ incorporated into the specification; and/or □ provided herewith accompanying foreign or international search report; □ incorporated into the specification; and/or □ provided herewith accompanying foreign or international search report; □ incorporated into the specification; and/or □ provided herewith fill the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application, no fee or certification under 37 C.F.R. §1.97(b); is required.  37 C.F.R. §1.97(b), (b)(4) − PRIOR TO MAILING OF FIRST OFFICE ACTION OR FIRST ACTION AFTER REQUEST FOR CONTINUED EXAMINATION incore this information Disclosure Statement is being filed before the mailing date of the first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114, no fee or certification under 37 C.F.R. §1.97(c). F.R. §1	2. 🖸	filing date under 35 U.S.C. §120. The Serial Number of the parent application filed and entitled  The publications cited therein are listed on attached Form PTO-1449. In acco	n is U.S. / rdance w	Applicationith 37 C.F.R. §1					
Since this Information Disclosure Statement is being filed within three months of the filing date of the subject application or within three month of the date of entry of the national stage as set forth in 37 C.F.R. §1.97(e) is required.  37 C.F.R. §1.97(b)(3), (b)(4) – PRIOR TO MAILING OF FIRST OFFICE ACTION OR FIRST ACTION AFTER REQUEST FOR CONTINUED EXAMINATIO Since this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the ments, or before the mailing of a first Office action after the filling of a request for continued examination under 37 C.F.R. §1.114, no fee or certification under 37 C.F.R. §1.97(e) is required.  37 C.F.R. §1.97(c) – AFTER FIRST ACTION, BEFORE FINAL ACTION OR ALLOWANCE  6. Since this Information Disclosure Statement is being filed outside of the period provided for in 37 C.F.R. §1.97(b), but before the mailing date of a Final Rejection or Notice of Allowance, this submission is being accompanied by (one of the following boxes must be checked):  a. the fee required under 37 C.F.R. §1.97(c)(2) and specified in 37 C.F.R. §1.17(p).  b. the statement specified in 37 C.F.R. §1.97(e) (Box 8 or 9 must be checked).  37 C.F.R. §1.97(d) – AFTER FINAL REJECTION OR ALLOWANCE  7. Since this Information Disclosure Statement is being filed after the period specified in 37 C.F.R. §1.97(c), but on or before payment of the isstened and is accompanied by both the statement specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p). (Box 8 or 9 must be checked.)  8. In accordance with 37 C.F.R. §1.97(e)(1), Applicant's attorney certifies that ach item of information contained in this Information Disclosure Statement. In the foreign or international search report(s) is/are enclosed.  In accordance with 37 C.F.R. §1.97(e)(2), Applicant's attorney certifies that no item of information contained in this Information Disclosure Statement was formation and the main of the information disclosure Statement in The foreign or international search rep	3.	A copy of a translation of one or more non-English document, or portion A concise explanation is (check at least one box below):	thereof,	is provided here	ewith;				
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<ul> <li>Since this Information Disclosure Statement is being filed outside of the period provided for in 37 C.F.R. §1.97(b), but before the mailing dat of a Final Rejection or Notice of Allowance, this submission is being accompanied by (one of the following boxes must be checked):         <ul> <li>a. □ the fee required under 37 C.F.R. §1.97(c)(2) and specified in 37 C.F.R. §1.17(p).</li> <li>b. □ the statement specified in 37 C.F.R. §1.97(e) (Box 8 or 9 must be checked).</li> </ul> </li> <li>37 C.F.R. §1.97(d) – AFTER FINAL REJECTION OR ALLOWANCE         <ul> <li>Since this Information Disclosure Statement is being filed after the period specified in 37 C.F.R. §1.97(c), but on or before payment of the issure fee and is accompanied by both the statement specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p). (Box 8 or 9 must be checked.)</li> </ul> </li> <li>8. □ In accordance with 37 C.F.R. §1.97(e)(1), Applicant's attorney certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. □ The foreign or international search report(s) is/are enclosed.</li> <li>9. □ In accordance with 37 C.F.R. §1.97(e)(2), Applicant's attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in</li></ul>		Since this Information Disclosure Statement is being filed before the mailing of a first Office action after the filing of a request for continued examination u	late of the	first Office Acti	on on the merits,	or before the mailing			
<ul> <li>Since this Information Disclosure Statement is being filed after the period specified in 37 C.F.R. §1.97(e), but on or before payment of the isst fee and is accompanied by both the statement specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p). (Box 8 or 9 must be checked.)</li> <li>In accordance with 37 C.F.R. §1.97(e)(1), Applicant's attorney certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months price to the filing of this Information Disclosure Statement. □ The foreign or international search report(s) is/are enclosed.</li> <li>In accordance with 37 C.F.R. §1.97(e)(2), Applicant's attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was know to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of the information Disclosure Statement.</li> <li>In the event the Commissioner of Patents deems that any additional fee is required under 37 C.F.R. §§ 1.16 or 1.17 in connection with the application, Applicant's attorneys authorize that such fee be charged to Deposit Account No. 06 - 1130</li> <li>Consideration of this Information Disclosure Statement is respectfully requested.</li> <li>Name: Daniel P. Lent</li> <li>Registration Number 44,867</li> <li>Signature A May 10, 2006</li> <li>CERTIFICATE OF MAILING OR TRANSMISSION: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first dass mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandri</li></ul>	6. 🗅 a.	Since this Information Disclosure Statement is being filed outside of the period of a Final Rejection or Notice of Allowance, this submission is being accompatible the fee required under 37 C.F.R. §1.97(c)(2) and specified in 37 C.F.R.	d provided anied by ( §1.17(p).	one of the foll	R. §1.97(b), but be owing boxes me	efore the mailing date ust be checked):			
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application, Applicant's attorneys authorize that such fee be charged to Deposit Account No. 06-1130.  11. Consideration of this Information Disclosure Statement is respectfully requested.  Name: Daniel P. Lent Registration Number 44,867  Signature Date May 10, 2006  CERTIFICATE OF MAILING OR TRANSMISSION: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or [ ] facsimile transmitted to the U.S. Patent and Trademark Office to Facsimile No. on the date shown below.  Name Nancy K. Wilson	9. 🗖	Statement was cited in a communication from a foreign patent office in a coun signing this certification after making reasonable inquiry, no item of information	iterpart fo containe	reign applicatio d in this Informa	n, and, to the kno ation Disclosure S	wledge of the person Statement was known			
Name: Daniel P. Lent  Signature  Date May 10, 2006  CERTIFICATE OF MAILING OR TRANSMISSION: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first dass mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or [ ] facsimile transmitted to the U.S. Patent and Trademark Office to Facsimile No.  Name Nancy K. Wilson	10. 🗣	In the event the Commissioner of Patents deems that any additional fee is reapplication. Applicant's attorneys authorize that such fee be charged to Depo	quired u	nder 37 C.F.R. { int No06-113	§§ 1.16 or 1.17 ir 80	connection with this			
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		JP 55-89555  JP 56-85042  JP 05-112984		07/07/1980	Japan w/ English abstract  Japan w/ English abstract					
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Form PTO-A820 (also form PTO-1449)

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		JP 09-280488 10/3		Japan w	/ English abstract					
		JP 11-062003	03/05/1999	Japan w	/ English abstract					
		JP 2001-132893	5/18/2001	Japan w	/ English abstract					
		JP 2003-027595	01/29/2003	Japan w	/ English abstract					
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Form PTO-A820 (also form PTO-1449)

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